

Jarmo Holopainen

List of Publications by Year in descending order

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214
papers

10,214
citations

34016

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220
docs citations

220
times ranked

7643
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | BVOC Emissions From a Subarctic Ecosystem, as Controlled by Insect Herbivore Pressure and Temperature. <i>Ecosystems</i> , 2022, 25, 872-891. | 1.6 | 5 |
| 2 | Proteinaceous elicitor from a secretion of egg-laying insect herbivore induces plant emission that attracts egg parasitoids. <i>Plant, Cell and Environment</i> , 2022, 45, 1029-1032. | 2.8 | 2 |
| 3 | Effects of elevated ozone and warming on terpenoid emissions and concentrations of Norway spruce depend on needle phenology and age. <i>Tree Physiology</i> , 2022, , . | 1.4 | 4 |
| 4 | Potential of Climate Change and Herbivory to Affect the Release and Atmospheric Reactions of BVOCs from Boreal and Subarctic Forests. <i>Molecules</i> , 2021, 26, 2283. | 1.7 | 10 |
| 5 | Environmentally acquired chemical camouflage affects <i>Pieris brassicae</i> L. host plant selection and orientation behaviour of a larval parasitoid. <i>Arthropod-Plant Interactions</i> , 2021, 15, 299-312. | 0.5 | 4 |
| 6 | Changes in light spectra modify secondary compound concentrations and BVOC emissions of Norway spruce seedlings. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1218-1229. | 0.8 | 5 |
| 7 | Seasonal Volatile Emission Patterns of the Endemic New Zealand Shrub <i>Dracophyllum subulatum</i> on the North Island Central Plateau. <i>Frontiers in Plant Science</i> , 2021, 12, 734531. | 1.7 | 4 |
| 8 | Herbivory and Attenuated UV Radiation Affect Volatile Emissions of the Invasive Weed <i>Calluna vulgaris</i> . <i>Molecules</i> , 2020, 25, 3200. | 1.7 | 9 |
| 9 | Effects of Two Invasive Weeds on Arthropod Community Structure on the Central Plateau of New Zealand. <i>Plants</i> , 2020, 9, 919. | 1.6 | 6 |
| 10 | Seasonal and environmental variation in volatile emissions of the New Zealand native plant <i>Leptospermum scoparium</i> in weed-invaded and non-invaded sites. <i>Scientific Reports</i> , 2020, 10, 11736. | 1.6 | 11 |
| 11 | Methyl Salicylate and Sesquiterpene Emissions Are Indicative for Aphid Infestation on Scots Pine. <i>Forests</i> , 2020, 11, 573. | 0.9 | 9 |
| 12 | Herbivore Gender Effects on Volatile Induction in Aspen and on Olfactory Responses in Leaf Beetles. <i>Forests</i> , 2020, 11, 638. | 0.9 | 4 |
| 13 | The phytotoxic air-pollutant O ₃ enhances the emission of herbivore-induced volatile organic compounds (VOCs) and affects the susceptibility of black mustard plants to pest attack. <i>Environmental Pollution</i> , 2020, 265, 115030. | 3.7 | 11 |
| 14 | Natural Variation in Volatile Emissions of the Invasive Weed <i>Calluna vulgaris</i> in New Zealand. <i>Plants</i> , 2020, 9, 283. | 1.6 | 21 |
| 15 | Functional Role of Extrafloral Nectar in Boreal Forest Ecosystems under Climate Change. <i>Forests</i> , 2020, 11, 67. | 0.9 | 6 |
| 16 | Deposition of α -pinene oxidation products on plant surfaces affects plant VOC emission and herbivore feeding and oviposition. <i>Environmental Pollution</i> , 2020, 263, 114437. | 3.7 | 7 |
| 17 | Tissue Microbiome of Norway Spruce Affected by Heterobasidion-Induced Wood Decay. <i>Microbial Ecology</i> , 2019, 77, 640-650. | 1.4 | 24 |
| 18 | Secondary Organic Aerosol Formation from Healthy and Aphid-Stressed Scots Pine Emissions. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1756-1772. | 1.2 | 32 |

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|----|---|-----|-----------|
| 19 | Unravelling the functions of biogenic volatiles in boreal and temperate forest ecosystems. <i>European Journal of Forest Research</i> , 2019, 138, 763-787. | 1.1 | 53 |
| 20 | Evaluation of potential genetic and chemical markers for Scots pine tolerance against <i>Heterobasidion annosum</i> infection. <i>Planta</i> , 2019, 250, 1881-1895. | 1.6 | 24 |
| 21 | Dual RNA-seq analysis provides new insights into interactions between Norway spruce and necrotrophic pathogen <i>Heterobasidion annosum</i> s.l.. <i>BMC Plant Biology</i> , 2019, 19, 2. | 1.6 | 34 |
| 22 | Potential roles of volatile organic compounds in plant competition. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019, 38, 58-63. | 1.1 | 46 |
| 23 | Foliar behaviour of biogenic semi-volatiles: potential applications in sustainable pest management. <i>Arthropod-Plant Interactions</i> , 2019, 13, 193-212. | 0.5 | 38 |
| 24 | Combined effects of elevated ozone, temperature, and nitrogen on stem phenolic concentrations of Scots pine (<i>Pinus sylvestris</i>) seedlings. <i>Canadian Journal of Forest Research</i> , 2019, 49, 246-255. | 0.8 | 8 |
| 25 | Terpene Composition Complexity Controls Secondary Organic Aerosol Yields from Scots Pine Volatile Emissions. <i>Scientific Reports</i> , 2018, 8, 3053. | 1.6 | 44 |
| 26 | Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. <i>New Phytologist</i> , 2018, 220, 739-749. | 3.5 | 101 |
| 27 | New Light for Phytochemicals. <i>Trends in Biotechnology</i> , 2018, 36, 7-10. | 4.9 | 38 |
| 28 | Understorey <i>Rhododendron tomentosum</i> and Leaf Trichome Density Affect Mountain Birch VOC Emissions in the Subarctic. <i>Scientific Reports</i> , 2018, 8, 13261. | 1.6 | 17 |
| 29 | Climate Change Effects on Secondary Compounds of Forest Trees in the Northern Hemisphere. <i>Frontiers in Plant Science</i> , 2018, 9, 1445. | 1.7 | 135 |
| 30 | Ozone disrupts adsorption of <i>Rhododendron tomentosum</i> volatiles to neighbouring plant surfaces, but does not disturb herbivore repellency. <i>Environmental Pollution</i> , 2018, 240, 775-780. | 3.7 | 11 |
| 31 | Scots pine provenance affects the emission rate and chemical composition of volatile organic compounds of forest floor. <i>Canadian Journal of Forest Research</i> , 2018, 48, 1373-1381. | 0.8 | 14 |
| 32 | <i>Hylobius abietis</i> L. feeding on the novel host <i>Pinus brutia</i> Ten. increases emission of volatile organic compounds. <i>Journal of Applied Entomology</i> , 2017, 141, 133-140. | 0.8 | 9 |
| 33 | Herbivore-induced BVOC emissions of Scots pine under warming, elevated ozone and increased nitrogen availability in an open-field exposure. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 21-32. | 1.9 | 33 |
| 34 | Warming and elevated ozone differently modify needle anatomy of Norway spruce (<i>Picea abies</i>) and Scots pine (<i>Pinus sylvestris</i>). <i>Canadian Journal of Forest Research</i> , 2017, 47, 488-499. | 0.8 | 19 |
| 35 | Passive Adsorption of Volatile Monoterpene in Pest Control: Aided by Proximity and Disrupted by Ozone. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9579-9586. | 2.4 | 12 |
| 36 | The responses of shoot-root-rhizosphere continuum to simultaneous fertilizer addition, warming, ozone and herbivory in young Scots pine seedlings in a high latitude field experiment. <i>Soil Biology and Biochemistry</i> , 2017, 114, 279-294. | 4.2 | 29 |

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|----|---|-----|-----------|
| 37 | Plant-derived Secondary Organic Material in the Air and Ecosystems. <i>Trends in Plant Science</i> , 2017, 22, 744-753. | 4.3 | 39 |
| 38 | Targeted use of LEDs in improvement of production efficiency through phytochemical enrichment. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 5059-5064. | 1.7 | 39 |
| 39 | A field study with geometrid moths to test the coevolution hypothesis of red autumn colours in deciduous trees. <i>Entomologia Experimentalis Et Applicata</i> , 2017, 165, 29-37. | 0.7 | 4 |
| 40 | Elevated Ozone Modulates Herbivore-Induced Volatile Emissions of <i>Brassica nigra</i> and Alters a Tritrophic Interaction. <i>Journal of Chemical Ecology</i> , 2016, 42, 368-381. | 0.9 | 22 |
| 41 | Herbivory by an Outbreking Moth Increases Emissions of Biogenic Volatiles and Leads to Enhanced Secondary Organic Aerosol Formation Capacity. <i>Environmental Science & Technology</i> , 2016, 50, 11501-11510. | 4.6 | 34 |
| 42 | Language of plants: Where is the word?. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 343-349. | 4.1 | 68 |
| 43 | Atmospheric transformation of plant volatiles disrupts host plant finding. <i>Scientific Reports</i> , 2016, 6, 33851. | 1.6 | 40 |
| 44 | Increases in volatile organic compound emissions of Scots pine in response to elevated ozone and warming are modified by herbivory and soil nitrogen availability. <i>European Journal of Forest Research</i> , 2016, 135, 343-360. | 1.1 | 52 |
| 45 | The effect of warming and enhanced ultraviolet radiation on gender-specific emissions of volatile organic compounds from European aspen. <i>Science of the Total Environment</i> , 2016, 547, 39-47. | 3.9 | 27 |
| 46 | Effect of bark beetle (<i>Ips typographus</i> L.) attack on bark VOC emissions of Norway spruce (<i>Picea abies</i>) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.9 | 32 |
| 47 | Biotic stress accelerates formation of climate-relevant aerosols in boreal forests. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12139-12157. | 1.9 | 48 |
| 48 | Do Insectivorous Birds use Volatile Organic Compounds from Plants as Olfactory Foraging Cues? Three Experimental Tests. <i>Ethology</i> , 2015, 121, 1131-1144. | 0.5 | 23 |
| 49 | Ozone affects growth and development of <i>Pieris brassicae</i> on the wild host plant <i>Brassica nigra</i> . <i>Environmental Pollution</i> , 2015, 199, 119-129. | 3.7 | 39 |
| 50 | Volatile organic compounds emitted from silver birch of different provenances across a latitudinal gradient in Finland. <i>Tree Physiology</i> , 2015, 35, 975-986. | 1.4 | 18 |
| 51 | Activation of defence pathways in Scots pine bark after feeding by pine weevil (<i>Hylobius abietis</i>). <i>BMC Genomics</i> , 2015, 16, 352. | 1.2 | 31 |
| 52 | Utilizing associational resistance for biocontrol: impacted by temperature, supported by indirect defence. <i>BMC Ecology</i> , 2015, 15, 16. | 3.0 | 26 |
| 53 | Contrasting responses of silver birch VOC emissions to short- and long-term herbivory. <i>Tree Physiology</i> , 2014, 34, 241-252. | 1.4 | 33 |
| 54 | Plant volatiles in polluted atmospheres: stress responses and signal degradation. <i>Plant, Cell and Environment</i> , 2014, 37, 1892-1904. | 2.8 | 150 |

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|----|---|-----|-----------|
| 55 | Induced defenses of <i>Veronica spicata</i> : Variability in herbivore-induced volatile organic compounds. <i>Phytochemistry Letters</i> , 2013, 6, 653-656. | 0.6 | 18 |
| 56 | Needle Removal by Pine Sawfly Larvae Increases Branch-Level VOC Emissions and Reduces Below-Ground Emissions of Scots Pine. <i>Environmental Science & Technology</i> , 2013, 47, 4325-4332. | 4.6 | 33 |
| 57 | Ecological Functions of Terpenoids in Changing Climates. , 2013, , 2913-2940. | | 14 |
| 58 | Pre-exposure to nitric oxide modulates the effect of ozone on oxidative defenses and volatile emissions in lima bean. <i>Environmental Pollution</i> , 2013, 179, 111-119. | 3.7 | 23 |
| 59 | Loss of isoprene-emitting capacity: deleterious for trees?. <i>Tree Physiology</i> , 2013, 33, 559-561. | 1.4 | 2 |
| 60 | Plant-“animal communication. <i>Annals of Botany</i> , 2013, 111, vii-vii. | 1.4 | 1 |
| 61 | Where do herbivore-induced plant volatiles go?. <i>Frontiers in Plant Science</i> , 2013, 4, 185. | 1.7 | 120 |
| 62 | Multitrophic Signalling in Polluted Atmospheres. <i>Tree Physiology</i> , 2013, , 285-314. | 0.9 | 16 |
| 63 | Molecular Plant Volatile Communication. <i>Advances in Experimental Medicine and Biology</i> , 2012, 739, 17-31. | 0.8 | 75 |
| 64 | Genotypic variation in yellow autumn leaf colours explains aphid load in silver birch. <i>New Phytologist</i> , 2012, 195, 461-469. | 3.5 | 65 |
| 65 | Influence of tree provenance on biogenic VOC emissions of Scots pine (<i>Pinus sylvestris</i>) stumps. <i>Atmospheric Environment</i> , 2012, 60, 477-485. | 1.9 | 32 |
| 66 | Spring versus autumn leaf colours: Evidence for different selective agents and evolution in various species and floras. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 80-85. | 0.6 | 28 |
| 67 | Herbivore-induced aspen volatiles temporally regulate two different indirect defences in neighbouring plants. <i>Functional Ecology</i> , 2012, 26, 1176-1185. | 1.7 | 40 |
| 68 | Manipulation of VOC emissions with methyl jasmonate and carrageenan in the evergreen conifer <i>Pinus sylvestris</i> and evergreen broadleaf <i>Quercus ilex</i> . <i>Plant Biology</i> , 2012, 14, 57-65. | 1.8 | 24 |
| 69 | Mass yields of secondary organic aerosols from the oxidation of α -pinene and real plant emissions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1367-1378. | 1.9 | 68 |
| 70 | Bounce behavior of freshly nucleated biogenic secondary organic aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8759-8766. | 1.9 | 92 |
| 71 | <i>Cordeauxia edulis</i> and <i>Rhododendron tomentosum</i> extracts disturb orientation and feeding behavior of <i>Hylobius abietis</i> and <i>Phyllodecta laticollis</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2011, 138, 162-174. | 0.7 | 30 |
| 72 | Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. <i>Environmental and Experimental Botany</i> , 2011, 72, 377-386. | 2.0 | 36 |

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|----|---|------|-----------|
| 73 | Feeding of large pine weevil on Scots pine stem triggers localised bark and systemic shoot emission of volatile organic compounds. <i>Environmental and Experimental Botany</i> , 2011, 71, 390-390. | 2.0 | 50 |
| 74 | Non-methane biogenic volatile organic compound emissions from boreal peatland microcosms under warming and water table drawdown. <i>Biogeochemistry</i> , 2011, 106, 503-516. | 1.7 | 22 |
| 75 | Air pollution impedes plant-to-plant communication, but what is the signal?. <i>Plant Signaling and Behavior</i> , 2011, 6, 1016-1018. | 1.2 | 4 |
| 76 | How red is the red autumn leaf herring and did it lose its red color?. <i>Plant Signaling and Behavior</i> , 2011, 6, 1879-1880. | 1.2 | 5 |
| 77 | Can forest trees compensate for stress-generated growth losses by induced production of volatile compounds?. <i>Tree Physiology</i> , 2011, 31, 1356-1377. | 1.4 | 71 |
| 78 | Non-Methane Biogenic Volatile Organic Compound Emissions from a Subarctic Peatland Under Enhanced UV-B Radiation. <i>Ecosystems</i> , 2010, 13, 860-873. | 1.6 | 25 |
| 79 | Yeheb (<i>Cordeauxia edulis</i>) extract deters feeding and oviposition of <i>Plutella xylostella</i> and attracts its natural enemy. <i>BioControl</i> , 2010, 55, 613-624. | 0.9 | 18 |
| 80 | Plant Volatile Organic Compounds (VOCs) in Ozone (O ₃) Polluted Atmospheres: The Ecological Effects. <i>Journal of Chemical Ecology</i> , 2010, 36, 22-34. | 0.9 | 148 |
| 81 | Leaf Volatile Emissions of <i>Betula pendula</i> during Autumn Coloration and Leaf Fall. <i>Journal of Chemical Ecology</i> , 2010, 36, 1068-1075. | 0.9 | 33 |
| 82 | Effect of vegetation removal and water table drawdown on the non-methane biogenic volatile organic compound emissions in boreal peatland microcosms. <i>Atmospheric Environment</i> , 2010, 44, 4432-4439. | 1.9 | 21 |
| 83 | Abiotic stress and transgenics: Implications for reproductive success and crop-to-wild gene flow in Brassicas. <i>Basic and Applied Ecology</i> , 2010, 11, 513-521. | 1.2 | 6 |
| 84 | Diversity of volatile organic compound emissions from flowering and vegetative branches of Yeheb, <i>Cordeauxia edulis</i> (Caesalpinaceae), a threatened evergreen desert shrub. <i>Flavour and Fragrance Journal</i> , 2010, 25, 83-92. | 1.2 | 17 |
| 85 | Birch (<i>Betula</i> spp.) leaves adsorb and release volatiles specific to neighbouring plants – a mechanism for associational herbivore resistance?. <i>New Phytologist</i> , 2010, 186, 722-732. | 3.5 | 165 |
| 86 | Doubled volatile organic compound emissions from subarctic tundra under simulated climate warming. <i>New Phytologist</i> , 2010, 187, 199-208. | 3.5 | 78 |
| 87 | Wood borer performance and wood characteristics of drought-stressed Scots pine seedlings. <i>Entomologia Experimentalis Et Applicata</i> , 2010, 137, 105-110. | 0.7 | 10 |
| 88 | Do elevated atmospheric CO ₂ and O ₃ affect food quality and performance of folivorous insects on silver birch?. <i>Global Change Biology</i> , 2010, 16, 918-935. | 4.2 | 25 |
| 89 | An amorphous solid state of biogenic secondary organic aerosol particles. <i>Nature</i> , 2010, 467, 824-827. | 13.7 | 719 |
| 90 | Real-time monitoring of herbivore induced volatile emissions in the field. <i>Physiologia Plantarum</i> , 2010, 138, 123-133. | 2.6 | 93 |

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|-----|--|-----|-----------|
| 91 | Air pollution impedes plant-to-plant communication by volatiles. <i>Ecology Letters</i> , 2010, 13, 1172-1181. | 3.0 | 83 |
| 92 | Foliar methyl salicylate emissions indicate prolonged aphid infestation on silver birch and black alder. <i>Tree Physiology</i> , 2010, 30, 404-416. | 1.4 | 64 |
| 93 | Elevation of night-time temperature increases terpenoid emissions from <i>Betula pendula</i> and <i>Populus tremula</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 1583-1595. | 2.4 | 56 |
| 94 | Plant-emitted semi-volatiles shape the infochemical environment and herbivore resistance of heterospecific neighbors. <i>Plant Signaling and Behavior</i> , 2010, 5, 1234-1236. | 1.2 | 7 |
| 95 | Human Urine and Wood Ash as Plant Nutrients for Red Beet (<i>Beta vulgaris</i>) Cultivation: Impacts on Yield Quality. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2034-2039. | 2.4 | 42 |
| 96 | Multiple stress factors and the emission of plant VOCs. <i>Trends in Plant Science</i> , 2010, 15, 176-184. | 4.3 | 715 |
| 97 | Interactions of ectomycorrhizas and above-ground insect herbivores on silver birch. <i>Plant Signaling and Behavior</i> , 2009, 4, 355-357. | 1.2 | 3 |
| 98 | Degree of herbivore feeding damage as an important contributor to multitrophic plant-parasitoid signaling under climate change. <i>Plant Signaling and Behavior</i> , 2009, 4, 249-251. | 1.2 | 4 |
| 99 | Contribution of vegetation and water table on isoprene emission from boreal peatland microcosms. <i>Atmospheric Environment</i> , 2009, 43, 5469-5475. | 1.9 | 27 |
| 100 | Effects of elevated carbon dioxide and ozone on volatile terpenoid emissions and multitrophic communication of transgenic insecticidal oilseed rape (<i>Brassica napus</i>). <i>New Phytologist</i> , 2009, 181, 174-186. | 3.5 | 94 |
| 101 | Why red-dominated autumn leaves in America and yellow-dominated autumn leaves in Northern Europe?. <i>New Phytologist</i> , 2009, 183, 506-512. | 3.5 | 57 |
| 102 | Elevated atmospheric ozone increases concentration of insecticidal <i>Bacillus thuringiensis</i> (Bt) Cry1Ac protein in Bt <i>Brassica napus</i> and reduces feeding of a Bt target herbivore on the non-transgenic parent. <i>Environmental Pollution</i> , 2009, 157, 181-185. | 3.7 | 11 |
| 103 | Pine weevil feeding on Norway spruce bark has a stronger impact on needle VOC emissions than enhanced ultraviolet-B radiation. <i>Environmental Pollution</i> , 2009, 157, 174-180. | 3.7 | 60 |
| 104 | Smelling global climate change: mitigation of function for plant volatile organic compounds. <i>Trends in Ecology and Evolution</i> , 2009, 24, 323-331. | 4.2 | 192 |
| 105 | Stored Human Urine Supplemented with Wood Ash as Fertilizer in Tomato (<i>Solanum lycopersicum</i>) Cultivation and Its Impacts on Fruit Yield and Quality. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7612-7617. | 2.4 | 56 |
| 106 | Rising Atmospheric CO ₂ Concentration Partially Masks the Negative Effects of Elevated O ₃ in Silver Birch (<i>Betula pendula</i> Roth). <i>Ambio</i> , 2009, 38, 418-424. | 2.8 | 17 |
| 107 | Life-history strategies affect aphid preference for yellowing leaves. <i>Biology Letters</i> , 2009, 5, 603-605. | 1.0 | 61 |
| 108 | New particle formation from the oxidation of direct emissions of pine seedlings. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8121-8137. | 1.9 | 64 |

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|-----|--|-----|-----------|
| 109 | Potential for the Use of Exogenous Chemical Elicitors in Disease and Insect Pest Management of Conifer Seedling Production. <i>The Open Forest Science Journal</i> , 2009, 2, 17-24. | 0.9 | 40 |
| 110 | Effect of Long-Term Forest Fertilization on Scots Pine Xylem Quality and Wood Borer Performance. <i>Journal of Chemical Ecology</i> , 2008, 34, 26-31. | 0.9 | 8 |
| 111 | The Significance of Ectomycorrhizas in Chemical Quality of Silver Birch Foliage and Above-Ground Insect Herbivore Performance. <i>Journal of Chemical Ecology</i> , 2008, 34, 1322-1330. | 0.9 | 13 |
| 112 | Constitutive and herbivore-inducible glucosinolate concentrations in oilseed rape (<i>Brassica napus</i>) leaves are not affected by Bt Cry1Ac insertion but change under elevated atmospheric CO ₂ and O ₃ . <i>Planta</i> , 2008, 227, 427-37. | 1.6 | 45 |
| 113 | Importance of olfactory and visual signals of autumn leaves in the coevolution of aphids and trees. <i>BioEssays</i> , 2008, 30, 889-896. | 1.2 | 27 |
| 114 | Elevated ozone modifies the feeding behaviour of the common leaf weevil on hybrid aspen through shifts in developmental, chemical, and structural properties of leaves. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 66-72. | 0.7 | 21 |
| 115 | Long-term effects of exogenous methyl jasmonate application on Scots pine (<i>Pinus sylvestris</i>) needle chemical defence and diprionid sawfly performance. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 162-171. | 0.7 | 40 |
| 116 | Climatic warming increases isoprene emission from a subarctic heath. <i>New Phytologist</i> , 2008, 180, 853-863. | 3.5 | 74 |
| 117 | The influence of different nutrient levels on insect-induced plant volatiles in Bt and conventional oilseed rape plants. <i>Plant Biology</i> , 2008, 10, 97-107. | 1.8 | 40 |
| 118 | Interactions of elevated carbon dioxide and temperature with aphid feeding on transgenic oilseed rape: Are <i>Bacillus thuringiensis</i> (Bt) plants more susceptible to nontarget herbivores in future climate?. <i>Global Change Biology</i> , 2008, 14, 1437-1454. | 4.2 | 45 |
| 119 | Host location behavior of <i>Cotesia plutellae</i> Kurdjumov (Hymenoptera: Braconidae) in ambient and moderately elevated ozone in field conditions. <i>Environmental Pollution</i> , 2008, 156, 227-231. | 3.7 | 26 |
| 120 | From Plants to Birds: Higher Avian Predation Rates in Trees Responding to Insect Herbivory. <i>PLoS ONE</i> , 2008, 3, e2832. | 1.1 | 128 |
| 121 | Use of Human Urine Fertilizer in Cultivation of Cabbage (<i>Brassica oleracea</i>) "Impacts on Chemical, Microbial, and Flavor Quality". <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8657-8663. | 2.4 | 76 |
| 122 | Presence of <i>Lythrum salicaria</i> enhances the bodyguard effects of the parasitoid <i>Asecodes mentoformipendula ulmaria</i> . <i>Oikos</i> , 2007, 116, 482-490. | 1.2 | 43 |
| 123 | Emission of herbivore-induced volatile terpenoids from two hybrid aspen (<i>Populus tremula</i> × <i>P. alba</i>) Tj ETQq1 1 0.784314 rgBT / <i>Overlock</i> <i>Journal of Chemical Ecology</i> , 2007, 33, 2538-2550. | 4.2 | 98 |
| 124 | Isoprene emission from a subarctic peatland under enhanced UV-B radiation. <i>New Phytologist</i> , 2007, 176, 346-355. | 3.5 | 81 |
| 125 | Short feeding period of carrot psyllid (<i>Trioza apicalis</i>) females at early growth stages of carrot reduces yield and causes leaf discoloration. <i>Entomologia Experimentalis Et Applicata</i> , 2007, 125, 277-283. | 0.7 | 30 |
| 126 | Isoprene emissions from boreal peatland microcosms; effects of elevated ozone concentration in an open field experiment. <i>Atmospheric Environment</i> , 2007, 41, 3819-3828. | 1.9 | 24 |

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|-----|--|-----|-----------|
| 127 | The effects of increasing atmospheric ozone on biogenic monoterpene profiles and the formation of secondary aerosols. <i>Atmospheric Environment</i> , 2007, 41, 4877-4887. | 1.9 | 51 |
| 128 | Variation in needle terpenoids among <i>Pinus sylvestris</i> L. (Pinaceae) provenances from Turkey. <i>Biochemical Systematics and Ecology</i> , 2007, 35, 652-661. | 0.6 | 45 |
| 129 | Effects of elevated CO ₂ and O ₃ on leaf litter phenolics and subsequent performance of litter-feeding soil macrofauna. <i>Plant and Soil</i> , 2007, 292, 25-43. | 1.8 | 43 |
| 130 | Ozone Degrades Common Herbivore-Induced Plant Volatiles: Does This Affect Herbivore Prey Location by Predators and Parasitoids?. <i>Journal of Chemical Ecology</i> , 2007, 33, 683-694. | 0.9 | 128 |
| 131 | The Role of Ozone-reactive Compounds, Terpenes, and Green Leaf Volatiles (GLVs), in the Orientation of <i>Cotesia plutellae</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 2218-2228. | 0.9 | 69 |
| 132 | <i>Epirrita autumnata</i> induced VOC emission of silver birch differ from emission induced by leaf fungal pathogen. <i>Arthropod-Plant Interactions</i> , 2007, 1, 159-165. | 0.5 | 72 |
| 133 | Long-term exposure to enhanced UV-B radiation has no significant effects on growth or secondary compounds of outdoor-grown Scots pine and Norway spruce seedlings. <i>Environmental Pollution</i> , 2006, 144, 166-171. | 3.7 | 33 |
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